

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Ying Feria

Serial No. 09/661,967

Group Art Unit: 2617

Filed: 09/14/2000

Examiner: Ly, Nghi H.

For: STRATOSPHERIC-BASED COMMUNICATION SYSTEM HAVING
INTERFERENCE CANCELLATION

Mail Stop Petition
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

PETITION UNDER 37 C.F.R. §1.47(b)

Dear Sir:

The Office Action dated August 29, 2007, rejected claims 1, 8, 11, 13, 14, 18 and 20 in view of Sherman and Dalal, and claims 9, 10 and 12 in view of Sherman, Dalal and Official Notice. In response, the undersigned prepared a 37 C.F.R. §1.131 Affidavit to overcome the Dalal reference. The Dalal reference was provisionally filed on August 31, 2000, exactly two weeks before the present application filing date of September 14, 2000. A copy of the Amendment is submitted herewith.

On November 2, 2007, a letter instructing the inventors to sign and return the §1.131 Affidavit was sent to each of the inventors at their last known addresses by certified mail, return receipt requested, as each of the inventors is no longer employed by the Assignee. A copy of the November 2nd letter is attached hereto as Exhibit I. A copy of the Affidavit is attached hereto as Exhibit II. A copy of each of the envelopes is attached hereto as Exhibits III, IV, and V. The instruction letter asked for return of the signed §1.131 Affidavit by November 27, 2007 and included a return envelope with pre-paid postage.

The last known addresses of the inventors are:

Ying J. Feria
306 Anderson Street
Manhattan Beach, CA 90266

Ming U. Chang
28815 Indian Val Rd.
Rancho Palos Ver, CA 90275

Donald C. Chang
2350 Moberly Court
Thousand Oaks, CA 91360

The envelope addressed to Ying Feria was returned unopened by the Post Office. A copy of the return envelope is attached as Exhibit VI. The envelopes addressed to Ming Chang and Donald Chang were accepted by them, as evidenced by the return receipt cards, copies of which are attached as Exhibits VII and VIII, respectively. However, the signed affidavits were never returned.

The present petition is necessary to overcome the Dalal reference and overcome the rejections set forth in the Office Action. Thus, this petition is necessary to preserve the rights of the Assignee and to prevent irreparable damage.

The Patent Office is authorized to charge the Petition fee of \$200 set forth in 37 C.F.R. §1.17(g) to Deposit Account No. 50-0383. If you have any questions regarding this matter, please contact the undersigned directly at 248-641-1212.

Respectfully submitted,

Dated: 11/29/07

By: 

Kevin G. Mierzwa, Reg. No. 38,049
Attorney for Applicants

The DIRECTV Group, Inc.
2230 East Imperial Highway
P.O. Box 956
El Segundo, CA 90245
Telephone: (310) 964-0735
Facsimile: (310) 964-0941



Kevin G. Mierzwa
Direct Dial: 248.641.1212
kmierzwa@hdp.com

November 2, 2007

EXHIBIT I

No. 7005 1160 0005 3430 7714

Ying J. Fera
306 Anderson Street
Manhattan Beach, CA 90266

No. 7005 1160 0005 3430 7721

Ming U. Chang
28815 Indian Val Rd.
Rancho Palos Ver, CA 90275

No. 7005 1160 0005 3430 7738

Donald C. Chang
2350 Moberly Court
Thousand Oaks, CA 91360

Re: U.S. Patent Application entitled:
Stratospheric-Based Communication System Having Interference Cancellation
DIRECTV Ref. PD-200108; HDP Docket No. 9093H-000003/US

Gentlemen:

Enclosed for your signature is an Affidavit Under 37 C.F.R. 1.131 that must be filed along with our response to an Office Action dated August 29, 2007.

Please sign the Affidavit on page 2 where indicated, have your signature notarized, and return the executed Affidavit to me in the enclosed envelope at your earliest convenience, but no later than November 27, 2007, so as to ensure a timely response to the USPTO for the pending Office Action.

Feel free to contact me directly should you have any questions.

Sincerely,

Kevin G. Mierzwa
Attorney of Record

KGMtp
Enc.: 1 (w/Exhibits)

EXHIBIT II

Patent
PD-200108

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Ying Feria

Serial No. 09/661,967

Group Art Unit: 2617

Filed: 09/14/2000

Examiner: Ly, Nghi H.

For: STRATOSPHERIC-BASED COMMUNICATION SYSTEM HAVING
INTERFERENCE CANCELLATION

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

AFFIDAVIT UNDER 37 C.F.R. 1.131

Dear Sir:

I, Ying Feria, Ming Chang, Donald Chang, being duly sworn, depose and say:

1. Prior to August 31, 2000, the inventors of the subject application, including myself, submitted an invention disclosure to the Hughes Electronics docketing department.
2. Prior to August 32, 2000, Michael W. Sales, Assistant General Patent Counsel Corporate Patents and Licensing of Hughes Electronics Corporation sent the attached Invention Disclosure to Kevin Mierzwa. This is attached hereto as Exhibit A.
3. The letter from Michael Sales enclosing the Invention Disclosure to outside counsel is submitted as Exhibit B.
4. Prior to August 31, 2000, John A. Artz acknowledged the receipt of the Invention Disclosure. This is attached hereto as Exhibit C.
5. On September 13, 2000, a final draft of the patent application was sent to Michael W. Sales of Hughes Electronics Corporation for filing. The letter to Michael W. Sales is included as Exhibit D. The draft of the patent application was prepared using the Invention Disclosure of Exhibit A which teaches a gateway station on page 4 of 7, a stratospheric platform

on page 5 of 7, and interference cancelling on pages 5-7 of 7. Subtracting blocks are illustrated in Figure 1 of page 7 of 7 of the Invention Disclosure.

6. Each of the dates deleted from Exhibits A through C are prior to August 31, 2000.

Respectfully submitted,

Dated: _____

By: _____
Ying Feria

SUBSCRIBED and SWORN to before me by _____ this ____ day of _____, 2007, in the county of _____ in the State of California.

Notary Public _____

MY COMMISSION EXPIRES: _____

Respectfully submitted,

Dated: _____

By: _____
Ming Chang

SUBSCRIBED and SWORN to before me by _____ this ____ day of _____, 2007, in the county of _____ in the State of California.

Notary Public _____

MY COMMISSION EXPIRES: _____

Respectfully submitted,

Dated: _____

By: _____
Donald Chang

SUBSCRIBED and SWORN to before me by _____ this ____ day of _____, 2007, in the county of _____ in the State of California.

Notary Public _____

MY COMMISSION EXPIRES: _____

SEND COMPLETED DISCLOSURE DIRECTLY TO:
CORPORATE PATENTS AND LICENSING
Loc. ES, Bldg. 001, M/S A109

INVENTION DISCLOSURE
THIS INVENTION DISCLOSURE IS MADE
PURSUANT TO MY / OUR INVENTION
AGREEMENT WITH HUGHES ELECTRONICS
CORPORATION AND/OR ITS SUBSIDIARIES
("HUGHES").



3
SHEET 2 OF 7

1. TITLE OF INVENTION

Adaptive Interference Cancellation

2. INVENTOR(S)

NAME	PAYROLL NO.	SOURCE CODE	LOC	BLDG	MS	PHONE	MANAGER
Ying Feria	P5613	TV 66 0E	SC	S41	A392	662-7893	Michelle Glaser Weiner
Ming Chang	18450	TV 66 01	SC	S41	A392	416-1920	Art Smith
Donald Chang	16435	08 10 30	ES	001	A170	662-9374	Wah Lim

3. PROOF ON CONCEPTION

A. BY WHOM WAS FIRST DESCRIPTION WRITTEN OR DRAWING MADE? Ying Feria	DATE	TIME SPENT	ACCT. CHARGED	LOCATION OF FIRST DESCRIPTION / DRAWING
B. TO WHOM WAS INVENTION FIRST DISCLOSED?	DATE			

4. REDUCTION TO PRACTICE

A. WAS A DEVICE EMBODYING THE INVENTION CONSTRUCTED AND TESTED OR THE PROCESS PRACTICED?		YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	BY WHOM	DATE STARTED	DATE COMPLETED	TIME SPENT
B. ACCOUNT CHARGED — TIME		ACCOUNT CHARGED — MATERIAL			PRESENT LOCATION OF DEVICE	
C. PRESENT LOCATION OF DOCUMENTS (DATE SIGNED AND WITNESSED), INCLUDING PHOTOS, DRAWINGS, AND DATA SHEETS SHOWING REDUCTION TO PRACTICE						

NOTE: ALL EVIDENCE OF CONCEPTION (FIRST DRAWING AND FIRST WRITTEN DESCRIPTION) AND EVIDENCE OF REDUCTION TO PRACTICE (DEVICE EMBODYING THE INVENTION AND TEST DATA) MUST BE RETAINED.

5. RELATION TO GOVERNMENT CONTRACT

A. DOES THIS INVENTION RELATE TO WORK PERFORMED UNDER A GOVERNMENT CONTRACT?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	CONTRACT NUMBER AND TITLE
B. IS INVENTION BEING USED ON A GOVERNMENT CONTRACT?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	CONTRACT NUMBER AND TITLE

6. RELATED DOCUMENTS AND DISCLOSURE (BY YOU OR BY ANOTHER). PLEASE ATTACH COPY.

A. IS THERE A PUBLICATION OR PUBLIC PRESENTATION RELATED TO THE INVENTION?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	DATE	IDENTIFY
B. ARE THERE ANY RELATED INVENTION DISCLOSURES OR PATENT APPLICATIONS?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	DATE	IDENTIFY PD NO. ETC.
C. ARE THERE ANY PROPOSALS OR REPORTS OR OTHER DOCUMENTS RELATING TO THIS INVENTION	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	DATE	IDENTIFY
D. HAS THE INVENTION BEEN USED, DISCUSSED, DEMONSTRATED OR OTHERWISE DISCLOSED OUTSIDE THE COMPANY (SUCH AS TO A VENDOR OR CUSTOMER)?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	DATE	TO / FOR WHOM (COMPANY / PERSON)

7. SALE

A. HAS PRODUCT EMBODYING INVENTION OR MADE BY INVENTION BEEN PROPOSED, SOLD, OR OFFERED FOR SALE?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	ORDER NO.	ORDER DATE	DELIVERY DATE	DATE OFFERED OR PROPOSED
B. IS PRODUCT EMBODYING INVENTION OR MADE BY INVENTION IN A DELIVERABLE ITEM?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	DELIVERY DATE			

200108

HUGHES PROPRIETARY

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION, AND EXCEPT WITH WRITTEN PERMISSION OF HUGHES, SUCH INFORMATION SHALL NOT BE PUBLISHED, OR DISCLOSED TO OTHERS, OR USED FOR ANY PURPOSE, AND THE DOCUMENT SHALL NOT BE DUPLICATED IN WHOLE OR IN PART. THIS LEGEND SHALL BE APPLIED TO ALL DOCUMENTS CONTAINING THIS INFORMATION.

Ying Feria

SIGNATURE INVENTOR
Donald Chang

SIGNATURE INVENTOR

DATE

DATE

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SEND COMPLETED DISCLOSURE DIRECTLY
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INVENTION DISCLOSURE
THIS INVENTION DISCLOSURE IS MADE
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AGREEMENT WITH HUGHES.

HUGHES

4
SHEET ~~4~~ OF 7

8. SUMMARY OF THE INVENTION

- A. GIVE A BRIEF DESCRIPTION OF YOUR INVENTION, PARTICULARLY POINTING OUT WHAT IS BELIEVED TO BE NOVEL (THE "HEART" OF WHAT IS NEW).

For a system where all the user traffic is going to one point on the ground, namely, the gateway station, signal processing may be used for interference cancellation. Because all the information about where each and every one of the users on the system is handled at one point, the information on each user's location is known and available to a single controller. Also since the resources are assigned to each user by the gateway station, the information on which users might be interfering each other is also known. With the above information, the interference can be completely or partially cancelled. In the case of a mobile user system, this interference cancellation can be adaptive in time.

- B. EXPLAIN THE PURPOSE AND ADVANTAGES OF YOUR INVENTION. (WHAT WILL THE INVENTION DO BETTER THAN DONE PREVIOUSLY?)

In a multiple user communication system where resources are reused for a higher capacity, interference may be a serious problem. To reduce interference level, the easiest way is to reduce the number of simultaneous users using the same resource (frequency or CDMA code). Clearly, this way of reduce interference is not desirable since it reduces the system capacity. A better way is to perform signal processing to cancel interference signals. In a system where all signals come to one point, this kind of cancellation is achievable.

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Ging Logic Miller
SIGNATURE INVENTOR
David J. [redacted]
SIGNATURE INVENTOR
READ AND UNDERSTOOD BY:
E.-J. TWEDIE
WITNESS NAME (TYPE)
BRYAN THOMSON
WITNESS NAME (TYPE)

[redacted]
DATE
[redacted]
DATE
[redacted]
DATE
[redacted]
DATE

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THIS INVENTION DISCLOSURE IS MADE
PURSUANT TO MY / OUR INVENTION
AGREEMENT WITH HUGHES.



5
SHEET 4 OF 7

8. SUMMARY OF THE INVENTION (Continued)

- C. IDENTIFY THE COMPANY PROGRAM OR PRODUCT LINE TO WHICH THE INVENTION APPLIES, AND THE EXPECTED VALUE TO THE PROGRAM OR PRODUCT LINE. ALSO IDENTIFY POTENTIAL COMMERCIAL APPLICATION OF THIS INVENTION, INCLUDING AUTOMOTIVE APPLICATIONS, IF ANY.

With this invention, programs such as Stratospheric Platform communication system will be enabled with a high capacity and low cost payload.

- D. IDENTIFY THE PRIOR ART KNOWN TO YOU WHICH IS IMPROVED UPON OR DISPLACED BY YOUR INVENTION, AND STATE IN DETAIL, IF KNOWN, THE DISADVANTAGES OF THE CLOSEST PRIOR ART.

Interference cancellation has been used in some communications systems to cancel the cross polarization interference. This technique has been applied in systems where cross polarization interference is severe. The cancellation is achievable in such systems because both signals, co-polarization and cross polarization signals, are available at one point. Expanding the application of interference cancellation to include cancellation of interference from other users is what this invention is about.

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	_____ SIGNATURE INVENTOR	_____ DATE
	_____ SIGNATURE INVENTOR	_____ DATE
READ AND UNDERSTOOD BY:		
	_____ SIGNATURE	_____ DATE
WITNESS NAME (TYPE)		
	_____ SIGNATURE	_____ DATE
WITNESS NAME (TYPE)		

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HUGHES

6
SHEET 5 OF 7

9. DETAILED DESCRIPTION

DESCRIBE YOUR INVENTION IN DETAIL, USING NECESSARY ADDITIONAL SHEETS

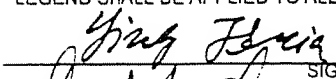
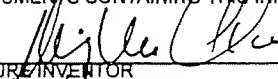

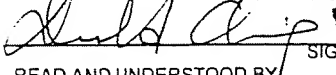

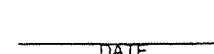
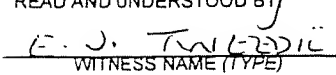





- A. BE SURE THAT EACH SHEET IS DATED, AND SIGNED BY EACH INVENTOR AND TWO WITNESSES.
(SHEET 6 SHOULD BE USED, IF PRACTICAL).
- B. ATTACH COPIES OF DRAWINGS OR DETAILED REPORTS HELPFUL IN UNDERSTANDING HOW YOUR
INVENTION WORKS
- C. IF YOUR INVENTION HAS BEEN TESTED, BRIEFLY SUMMARIZE THE TEST RESULTS WHICH CONFIRM THE
FUNCTIONS AND ADVANTAGES LISTED IN 8 B ABOVE.

In a spectrum limited communication system, to increase the total system capacity, the spectrum is reused as many times as possible. For a satellite or stratospheric platform communication system, interference from users using the same resource is suppressed by antenna discrimination. Unfortunately, this discrimination may not be sufficient in some cases due to other constraints such as weight and size of the antennas. However, for a system where all the user traffic is going through a gateway station, the interference source and level is known; therefore, the interference could be cancelled by subtracting a weighted interfering signal (see Figure 1).

The basis for this scheme to work is that the system management has all the information regarding the interference. First, it knows exactly where the interference comes from since the system management is assigning resources to the users. Users with the same resources assigned to them will interfere with each other at certain levels. The interference levels depend on the antenna sidelobe levels at the interferer location. The sidelobe level is known to the system management as well since it is forming the beams.

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SIGNATURE INVENTOR		DATE
		
SIGNATURE INVENTOR		DATE
READ AND UNDERSTOOD BY		
		
WITNESS NAME (TYPE)	SIGNATURE	DATE
		
WITNESS NAME (TYPE)	SIGNATURE	DATE

PATENT DOCKET NO.

200108

RECEIVED

**PATENTS & LICENSING
CORPORATE OFFICE**

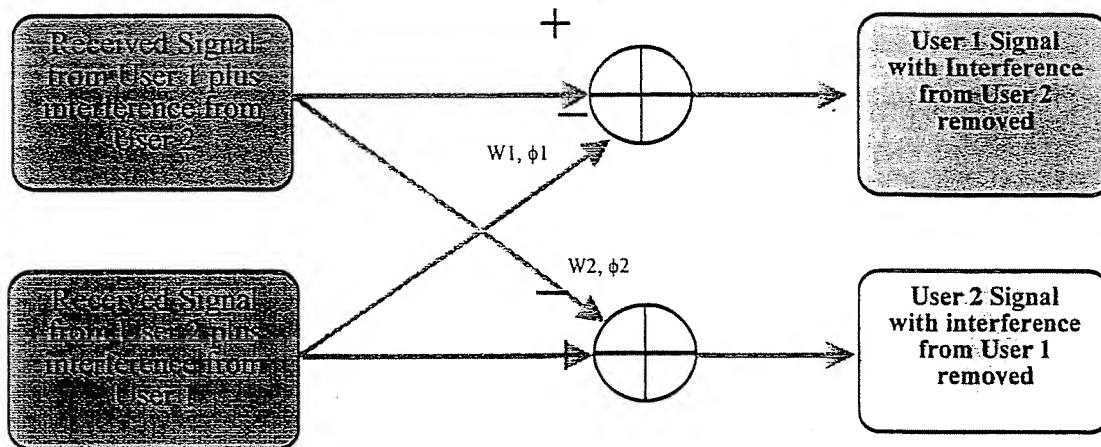


Figure1: Removing interference from known sources.

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<i>[Signature]</i>	SIGNATURE INVENTOR	<i>[Signature]</i>	DATE
<i>[Signature]</i>	SIGNATURE INVENTOR	<i>[Signature]</i>	DATE
READ AND UNDERSTOOD BY:			
<i>E. J. TROCEVIC</i>	WITNESS NAME (TYPE)	<i>[Signature]</i>	SIGNATURE
<i>Bryan Thompson</i>	WITNESS NAME (TYPE)	<i>[Signature]</i>	SIGNATURE

PATENT DOCKET NO.

**200108
RECEIVED**

**PATENTS & LICENSING
CORPORATE OFFICE**

Michael W. Sales VP AGC HE and General Patent Counsel



Building 001 M/S A109
Telephone: (310) 662-9916
Telefax: (310) 416-1216

VIA FEDERAL EXPRESS



Kevin Mierzwa, Esq.
Artz & Artz
28333 Telegraph Road
Suite 250
Southfield, MI 48034

Re: PD-200108 ADAPTIVE INTERFERENCE CANCELLATION
INVENTOR(S): Ying Feria (310) 662-7893
Ming Chang (310) 416-1920
Donald C. D. Chang (310) 662-9374

Dear Kevin:

Pursuant to your previous arrangements with our department, please proceed to prepare a patent application for the above disclosure at a cost not to exceed Fifty Five Hundred Dollars (\$5,500.00). This cost should include phone calls, messenger services and similar miscellaneous costs, as well as the cost of interviewing the inventors. Because the attached disclosure may be incomplete or additional embodiments may have been developed since its generation, at least one interview with the inventors may be required.

Please prepare two sets of claims for the application. One set of claims will be filed in the United States. The other set of claims will be filed in foreign countries and, therefore, should not use "means-plus-function" language, but should include reference numerals within parentheses and multiple dependencies where possible. Please try to limit the total number of claims in the second set to 10 or less.

PLEASE INCLUDE AN INDEPENDENT CLAIM DRAWN TO THE SYSTEM IN WHICH THE INVENTOR PROPOSES TO USE THE INVENTION. YOU MAY NEED TO OBTAIN A SYSTEM LEVEL BLOCK DIAGRAM FROM THE INVENTOR AS A SUPPORTING FIGURE.

To facilitate our filing of the U.S. patent application, your final draft of the application should be forwarded to me on numbered A4 paper. IN THE ABSTRACT PLEASE PROVIDE REFERENCE NUMERALS WITHIN PARENTHESES IN REFERENCE TO ONE FIGURE ONLY. The application should also be forwarded to me on a 3.5" diskette. On the diskette, please designate the word processing program used to generate the patent application.

Corporate Offices
200 N. Sepulveda Blvd.
P.O. Box 956
El Segundo, CA 90245-0956

Kevin Mierzwa

Page Two



The final draft of the application should include formal drawings (approved by the inventor) on Bristol boards. YOU ARE REQUESTED TO UTILIZE YOUR OWN DRAFTSMEN FOR PREPARATION OF THE FORMAL DRAWINGS. The formal drawings must be accompanied by a list identifying the name of the element and its callout number.

PLEASE HAVE A FINAL DRAFT READY FOR FILING NO LATER THAN JUNE 1, 2000 IN ORDER TO MEET OUR FILING DEADLINES.

Of course, the subject matter disclosed in the application should be treated as proprietary to Hughes.

Invoices are to be submitted upon completion of the application. No partial billings will be accepted. When forwarding any billing information to Hughes, send the original documents to the attention of:

Ms. Kay Dunn
Hughes Electronics Corporation
200 N. Sepulveda Blvd.
ES 001/A110
P.O. Box 956
El Segundo, CA 90245-0956

Each inventor is being advised by this letter that you will be contacting him in the near future and that he should fully cooperate with you in writing this case.

If the foregoing terms are acceptable, please sign the attached copy of this letter in the space provided, then return to me as soon as possible.

If you have any questions, please call me at (310) 662-9916.

Very truly yours,
HUGHES ELECTRONICS CORPORATION

A handwritten signature in cursive script, reading "Michael W. Sales".

Michael W. Sales
Assistant General Patent Counsel
Corporate Patents and Licensing

ACCEPTED: _____

MWS:vcc

Enclosures: Invention Disclosure
Letter in duplicate

cc: (Inventors w/o atts.)

DATE: _____

Corporate Offices
200 N. Sepulveda Blvd.
P.O. Box 956
El Segundo, CA 90245-0956

ARTZ & ARTZ PC

Attorneys & Counselors
Intellectual Property & Technology
Related Causes

John A. Artz
John S. Artz
Robert P. Renke
Kevin G. Mierzwa
Angela M. Brunetti
Franklin A. MacKenzie
Thomas E. Donohue
Steven W. Hays

Suite 250
28333 Telegraph Road
Southfield, Michigan 48034
Phone: (248) 223-9500
Fax: (248) 223-9522

[REDACTED]

Michael W. Sales
Corporate Offices
Hughes Space & Communications Company
200 N. Supluveda Blvd.
Post Office Box 956
El Segundo, CA 90245-0956

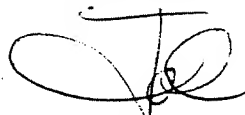
Re: U.S. Patent Application for:
"Adaptive Interference Cancellation"
Inventors: Harold Rosen
Ying Fera
P. Ramanujam
Your Reference: PD-200108
Our File No.: H 1216 PA

Dear Michael:

Thank you for your letter of [REDACTED] and the new patent disclosure. We have reviewed the invention disclosure and believe that we can prepare an application on this invention at a flat rate of \$5,000. Per your request, we will also prepare the formal drawings for \$150/sheet.

We will proceed to prepare a patent application on the new disclosure as soon as possible, noting from your letter that the final version is due by [REDACTED]

Very truly yours,


John A. Artz

JAA/mem

ARTZ & ARTZ PC

Attorneys & Counselors
Intellectual Property & Technology
Related Causes

John A. Artz
John S. Artz
Robert P. Renke
Kevin G. Mierzwa
Angela M. Brunetti
Franklin A. MacKenzie
Thomas E. Donohue
Steven W. Hays

Suite 250
28333 Telegraph Road
Southfield, Michigan 48034
Phone: (248) 223-9500
Fax: (248) 223-9522

September 13, 2000

Philip R. Warn
(Of Counsel)

Michael W. Sales, Esq.
Hughes Electronics Corporation
Building 001 M/S A109
200 N. Sepulveda Blvd.
El Segundo, CA 90245-0956

Via Federal Express

Re: U.S. Patent Application for
"Stratospheric-Based Communication System For Mobile Users
Having Cross Canceling Interference Rejection"
Your Reference: PD-200108
Our File No.: H 1216 PA

Dear Mike:

Enclosed please find the final draft of the above-identified patent application which incorporates comments from the inventors. As you requested, we have also enclosed:

Two sets of claims (one with reference numerals)

One copy of the Specification on A4 paper

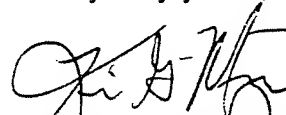
A 3.5" diskette containing the patent application and foreign claims (Word 97)

Formal drawings (4 copies)


A separate Abstract containing reference numerals

Should you have any additional changes, or any questions regarding this application, please do not hesitate to contact me directly.

Very truly yours,


Kevin G. Mierzwa

ENTERED CPI

Date: 9-14-00
By: 

KGM/djk
Enclosure



821872948147

Form
LD, No.

0215

Use print and press hard.

9/13/2000

Sender's FedEx
Account Number

2241-3511-4

Kevin G. Mierzwa

Phone (248) 223-9500

ARTZ & ARTZ

28333 TELEGRAPH RD STE 250

Dept./Floor/Suite/Room

SOUTHFIELD

State

MI

ZIP

48034

Internal Billing Reference
Characters will appear on Invoice.

H1213, H1215, H1216, H1217

Contact's

Michael W. Sales

Phone ()

any Hughes Electronics Corporation

200 N. Sepulveda Boulevard

We cannot deliver to P.O. boxes or P.O. ZIP codes.

D* at FedEx location, print FedEx address.

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El Segundo

State

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90245

Peel and Stick FedEx USA Airbill

See back for application instructions.

Questions? Call 1-800-Go-FedEx® (800-463-3339)

Visit our Web site at www.fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

0147302092

4a Express Package Service

☐ FedEx Priority Overnight
Next business morning☒ FedEx Standard Overnight
Next business afternoonPackages up to 150 lbs.
Delivery commitment may be later in some areas.☐ FedEx First Overnight
Earliest next business morning
delivery to select locations☐ FedEx 2Day®
Second business day☐ FedEx Express Saver®
Third business day* FedEx Envelope/Letter Rate not available
Minimum charge: One-pound rate

4b Express Freight Service

☐ FedEx 1Day Freight®
Next business day☐ FedEx 2Day Freight
Second business dayPackages over 150 lbs.
Delivery commitment may be later in some areas.☐ FedEx 3Day Freight
Third business day

* Call for Confirmation

* Declared value limit \$500

5 Packaging

☐ FedEx Envelope/Letter*☒ FedEx Pak*☐ Other Pkg.
Includes FedEx Box, FedEx
Tube, and customer pkg.

6 Special Handling

☐ SATURDAY Delivery
Available for FedEx Priority
Overnight and FedEx 2Day
to select ZIP codes☐ SUNDAY Delivery
Available for FedEx Priority
Overnight to select ZIP codesInclude FedEx address in Section 3.
☐ HOLD Weekday
at FedEx Location
Not available with
FedEx First Overnight☐ HOLD Saturday
at FedEx Location
Available for FedEx Priority
Overnight and FedEx 2Day
to select locations

Does this shipment contain dangerous goods?

One box must be checked.

☐ No ☐ Yes
As per attached
Shipper's Declaration☐ Yes
Shipper's Declaration
not required☐ Dry Ice
Dry Ice, 9, UN 1845 x kg☐ Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging.

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below.

☒ Sender
Acct. No. in Section
1 will be billed.☐ Recipient☐ Third Party☐ Credit Card☐ Cash/CheckFedEx Acct. No.
Credit Card No.Exp.
Date

Total Packages

Total Weight

Total Declared Value†

1

\$.00

FedEx Use Only

†Our liability is limited to \$100 unless you declare a higher value. See back for details.

8 Release Signature

Sign to authorize delivery without obtaining signature.

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

402

Rev. Date 3/00 • Part #155B12 • ©1994-2000 FedEx • PRINTED IN U.S.A. GBFE 5/00

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PARAWALL.

EXHIBIT III

First Class Mail

HARNES DICKEY
ATTORNEYS AND COUNSELORS
5445 Corporate Drive, Suite 200
Troy, Michigan 48068-2683

To
Ying J. Feria
306 Anderson Street
Manhattan Beach, CA 90266

CERTIFIED MAIL



7005 1160 0005 3430 7714
7005 1160 0005 3430 7714

U.S. Postal Service	
CERTIFIED MAIL[®] RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage \$	Postmark Here
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees \$	
Sent To YING J. FERIA	
Street, Apt. No. or PO Box No. 306 ANDERSON ST.	
City, State, ZIP+4 [®] MANHATTAN BEACH, CA 90266	
PS Form 3800, June 2002 See Reverse for Instructions	

PS Form 3811, December 1994	
6. Signature: (Addressee or Agent) X	
5. Received By: (Print Name)	
4b. Se	
4a. Se	
3. Article Addressed to: YING J. FERIA	
306 ANDERSON ST.	
MANHATTAN BEACH, CA 90266	
7. Date	
7a. Date	
7b. Date	
7c. Date	
7d. Date	
7e. Date	
7f. Date	
7g. Date	
7h. Date	
7i. Date	
7j. Date	
7k. Date	
7l. Date	
7m. Date	
7n. Date	
7o. Date	
7p. Date	
7q. Date	
7r. Date	
7s. Date	
7t. Date	
7u. Date	
7v. Date	
7w. Date	
7x. Date	
7y. Date	
7z. Date	

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

EXHIBIT IV

First Class Mail

HARNES DICKEY
Attorneys and Counselors
5445 Corporate Drive, Suite 200
Troy, Michigan 48098-2683

To
Ming U. Chang
28815 Indian Val Rd.
Rancho Palos Ver, CA 90275

PS Form 3811, December 1994 102595-97-B-0179 Domestic Return Receipt

U.S. Postal Service	
CERTIFIED MAIL™ RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage \$	Postmark Here
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees \$	
Sent To MING U. CHANG	
Street Apt. No. or PO Box No. 28815 INDIAN VAL RD.	
City, State, ZIP+4 RANCHO PALOS VER, CA 90275	
PS Form 3800, June 2002 See Reverse for Instructions	

3. Article Addressed to: MING U. CHANG 28815 INDIAN VAL RD. RANCHO PALOS VER, CA 90275	
4b. Serv	7. Date
<input type="checkbox"/> Regd	<input type="checkbox"/> Return
<input type="checkbox"/> Expt	
8. Addre and te	
6. Signature: (Addressee or Agent) X	
5. Received By: (Print Name)	

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

Print your name and address on the reverse of this form so that we can return card to you.
Attach this form to the front of the mailpiece, or on the back if space does not permit.
Write "Return Receipt Requested" on the mailpiece below the article number.
The Return Receipt will show to whom the article was delivered and the date delivered.



7005 1160 0005 3430 7721
7005 1160 0005 3430 7721

CERTIFIED MAIL™

EXHIBIT V

First Class Mail

HARNESSEY & DICKY

Attorneys and Counselors
5445 Corporate Drive, Suite 200
Troy, Michigan 48068-2683

To
Donald C. Chang
2350 Moberly Court
Thousand Oaks, CA 91360

U.S. Postal Service
CERTIFIED MAIL[®] RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark
Here

Sent To: DONALD C. CHANG
Street, Apt. No., or PO Box No. 2350 MOBERLY CT.
City, State, ZIP+4[®] THOUSAND OAKS, CA 91360
PS Form 3811, December 1994

I also wish to receive the following services (for an additional fee):

3. Article Addressed to: 91360-3415
7005 J.
4b. Sex Male
4c. Date of Birth 11/13/60
4d. Date of Issue 11/13/60
4e. Date of Expiration 11/13/60
4f. Date of Receipt 11/13/60
4g. Date of Return 11/13/60
4h. Date of Delivery 11/13/60
4i. Date of Receipt by Addressee 11/13/60
4j. Date of Receipt by Addressee 11/13/60
4k. Date of Receipt by Addressee 11/13/60
4l. Date of Receipt by Addressee 11/13/60
4m. Date of Receipt by Addressee 11/13/60
4n. Date of Receipt by Addressee 11/13/60
4o. Date of Receipt by Addressee 11/13/60
4p. Date of Receipt by Addressee 11/13/60
4q. Date of Receipt by Addressee 11/13/60
4r. Date of Receipt by Addressee 11/13/60
4s. Date of Receipt by Addressee 11/13/60
4t. Date of Receipt by Addressee 11/13/60
4u. Date of Receipt by Addressee 11/13/60
4v. Date of Receipt by Addressee 11/13/60
4w. Date of Receipt by Addressee 11/13/60
4x. Date of Receipt by Addressee 11/13/60
4y. Date of Receipt by Addressee 11/13/60
4z. Date of Receipt by Addressee 11/13/60
5. Received By: (Print Name) DONALD C. CHANG
6. Signature: (Addressed or Agent) X
PS Form 3811, December 1994

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

Complete items 1 and/or 2 for additional services.

Print your name and address on the reverse of this form so that we can return it to you.

Attach this form to the front of the mailpiece, or on the back if space does not permit.

Write "Return Receipt Requested" on the mailpiece below the article number.

The Return Receipt will show to whom the article was delivered and the date delivered.



7005 1160 0005 3430 7714

RETURN RECEIPT REQUESTED

SENDER: Complete items 1 and/or 2 for additional services. ■ Print your name and address on the reverse of this form so that we can return this card to you. ■ Attach this form to the front of the mailpiece, or on the back if space does not permit. ■ Write "Return Receipt Requested" on the mailpiece below the article number. ■ The Return Receipt will show to whom the article was delivered and the date delivered.		3. Article Addressed for Return: 7005 1160 0005 3430 7714	
4a. Service Type <input type="checkbox"/> Registered <input type="checkbox"/> Express Mail <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Insured <input type="checkbox"/> COD		7. Date of Delivery [Redacted]	
8. Addressee's Address (Only if requested and fee is paid) [Redacted]		6. Signature: (Addressee or Agent) X	

Thank you for using Return Receipt Service.

PS Form 3811, December 1994 102595-97-B-0179 Domestic Return Receipt



First Class Mail

HARNES DICKY

Attorneys and Counselors
145 Corporate Drive, Suite 200
Michigan 48098-2683

3000 Fenelon Street
Michigan 48098-266

EXHIBIT VI

Michigan 48098

EXHIBIT VII

Is your RETURN ADDRESS completed on the reverse side?	SENDER: <ul style="list-style-type: none">■ Complete items 1 and/or 2 for additional services.■ Complete items 3, 4a, and 4b.■ Print your name and address on the reverse of this form so that we can return this card to you.■ Attach this form to the front of the mailpiece, or on the back if space does not permit.■ Write "Return Receipt Requested" on the mailpiece below the article number.■ The Return Receipt will show to whom the article was delivered and the date delivered.		I also wish to receive the following services (for an extra fee): 1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.	
	3. Article Addressed to: 9093H-3/45		7005 1160 0005 3430 7721	
	MING U. CHANG 28815 INDIAN VAL RD. RANCHO PALOS VER, CA 91275		4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD	
	5. Received By: (Print Name)		7. Date of Delivery Jm 11-5-07	
	6. Signature: (Addressee or Agent) X <i>Wen Na Chang</i>		8. Addressee's Address (Only if requested and fee is paid)	

PS Form 3811, December 1994 102595-97-B-0179 Domestic Return Receipt

Thank you for using Return Receipt Service.

EXHIBIT VIII

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- ☐ Complete items 1 and/or 2 for additional services.
- ☐ Complete items 3, 4a, and 4b.
- ☐ Print your name and address on the reverse of this form so that we can return this card to you.
- ☐ Attach this form to the front of the mailpiece, or on the back if space does not permit.
- ☐ Write "Return Receipt Requested" on the mailpiece below the article number.
- ☐ The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to: 9093H-3/45

7005 1160 0005 3430 7738

DONALD C. CHANG
2350 MOBERLY COURT
THOUSAND OAKS, CA 91360

4b. Service Type

- | | |
|--|---|
| <input type="checkbox"/> Registered | <input checked="" type="checkbox"/> Certified |
| <input type="checkbox"/> Express Mail | <input type="checkbox"/> Insured |
| <input checked="" type="checkbox"/> Return Receipt for Merchandise | <input type="checkbox"/> COD |

7. Date of Delivery

11/6

5. Received By: (Print Name)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature: (Addressee or Agent)

X

PS Form 3811, December 1994

102595-97-B-0179

Domestic Return Receipt

Thank you for using Return Receipt Service.